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SOURCE Soviet newspapers as indicated. (Information requested.)

ACADEMY OF SCIENCES UKRAINIAN SSR -- Provda Ukrainy, No 25, 1 Feb 49

The Academy of Sciences Ukrainian SSR includes 40 scientific institutes in which more than 1,500 scientific associates are conducting scientific work. Among these are 84 active members of the Academy and 89 corresponding members.

Methods for making fertilizer from waste products of the manganese ore industry have been worked out and tested in the agricultural department institutes. In 1949, the fertilizer will be used in sugar-beet cultivation over an area of 150,000-hectares.

Engineering institutes of the Academy are making significant progress. New steel-smelting methods have resulted in a 10-percent increase in steel production without an increase in capital outlay. A method to accelerate blast furnace operations has been developed.

ARMENIA GETS INSTRUMENT LABORATORY -- Kommunist, No 33, 10 Feb 49

An instrument laboratory was established in 1948 in the Armenian SSR. Its task is to design and make various instruments required for scientific research. The instrument, machine, photometric, radio-electric engineering, casting, and nickel-plating departments of the laboratory are engaged in experimental production.

MILLION-VOLT IMPULSE GENERATOR IN OPERATION -- Leningradskaya Pravda, No 28,
4 Feb 49

A million-volt impulse generator has been put into operation at the Leningrad Power Engineering School. Tests have proceeded successfully. Two huge metal spherical poles were separated more than a half meter. Electric sparks jumped between them with a loud crackle, appearing as characteristic artificial lightning.

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The generator was assembled by students of the technical school under the direction of Director Sintaov and Engineer Vysokovskiy of the high-tension laboratory. It is intended for insulator experiments and for use in teaching electrical engineering students.

HOSPITAL MAKE KRAY MEDICAL CENTER -- Krasnoye Znamya, No 294, 12 Dec 48

The Vladivostok City Hospital recently has been made the Kray Hospital with administration of all medical work in the entire Primorskiy Kray. A group of hospital doctors have practical direction of the work of doctors in all hospitals and regions of the Kray. Borisenko has been appointed Chief Surgeon of Primorskiy Kray; Khmelina has been appointed Chief Therapist; Vasil'kovskaya, Chief Gynecologist; Ivanova, Chief Neuropathologist; Konokotina, Chief Oculist; and Parshin, Chief Laryngologist.

The Kray Hospital will also provide training of personnel for rural medical institutions and will hold consultations for the sick who come from the rayons. The hospital has offices on Shevchenko Street in Vladivostok.

EXPEDITION STUDIES SOUTHERN KURIL REGION -- Krasnoye Znamya, No 15, 19 Jan 49

The ships, Kapitan Voronin and Kapitan Pospelov, have returned to Vladivostok after taking part in a scientific field expedition organized by the Far East Whale and Sea Mammal Trust and the Pacific Ocean Institute of Fish Economy and Oceanography. A. I. Rummyantsev, candidate in Biological Sciences and director of the expedition, reported that the expedition covered a broad sector of the Pacific Ocean in the region of the Southern Kuril Islands over a 4-month period. A large part of the research was conducted at a considerable distance from the shore, up to 700 miles at times.

The expedition collected some data on the hydrological conditions of the region and the possibility of developing a tunny fishery in the Southern Kuril waters. Several species of rare tropical fish were given to the museum of the Institute. The expedition will continue its work in studying the possibility for stocking tunny in the vicinity of the Southern Kuril Islands.

EXPEDITIONS STUDY KAMCHATKA LAKES -- Tikhookeanskaya Zvezda, No 16, 20 Jan 49

The Kamchatka Division of the Pacific Ocean Scientific Research Institute of Fish Economy and Oceanography has made important studies of Kamchatka lakes during the year of its existence. Kravtsov, scientific associate of the Kamchatka Division of the Institute, in an article in the Kamchatka Oblast newspaper, Kamchatskaya Pravda, states that in the near future the Division will conduct new expeditions in Kronotskoye Lake and a number of small lakes of the Paratunka River Basin. Previous expeditions have studied the causes for variations in the hydrological regime of the lakes. Research problems, in the immediate future, will be concerned with developing methods of forecasting the hydrological regime and discovering means of active intervention in the regime of the lakes.

BALTIC SEA EXPEDITION TO HELP FISH ECONOMY -- Sovetskaya Litva, No 29, 5 Feb 49

Heavy storms raged over the Baltic Sea throughout January. The wind reached a velocity of 6 - 8 points during the first few days of February. As soon as the weather permits, the Baltic scientific expedition of the All-Union Scientific Research Institute of Sea Fish Economy and Oceanography will begin operations. The expedition will collect material on fish biology in the region of Klaipeda and Kaliningrad, and will study the available feed resources in the Kurehyu-Mares Bay.

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The Academy of Sciences Lithuanian SSR has assigned 12 scientific associates of the Institute of Biology of the Academy of Sciences and students of the biological faculty of Vil'nyus State University to take part in the expedition.

As a result of research, maps will be made to show the distribution of cod in the fishing regions of the southeast portion of the Baltic Sea. A description of the concentration of cod will be given in relation to external conditions, such as temperature, salt content, etc. Material will also be collected, within the limits of sea water of the Lithuanian SSR, regarding distribution of flatfish and other varieties of edible fish in the Baltic Sea.

FAR EAST GETS STORMS -- Krasnoye Znanya, No 2, 4 Jan 49

Strong northern winds, approaching cyclone velocity, began on 1 January in Primorskiy Kray. On the evening of 3 January, the cyclone centered over the Japan Sea, moving toward the Kuril Islands. The storm was accompanied by snow which covered Vladivostok, all of Primorskiy Kray, Khabarovsk and Sakhalin.

NEW TADZHIK HYDROMETEOROLOGICAL STATIONS -- Kommunist Tadzhikistana, No 1, 1 Jan 49

The highest hydrometeorological station in Tadzhikistan was built in Tovil'-Darinskiy Rayon, in the Sagerdashtskiy mountain pass, 3,500 meters above sea level. The new station is now in operation.

A second high-altitude hydrometeorological station was built near Obi-Garm, in the Kalaydashtskiy mountain pass.

USSR PUBLISHES ANTARCTIC GAZETTEER -- Morskoy Flot, No 17, 1 Mar 49

The Cartographic Commission imeni Yu. M. Shokal'skiy of the Geographical Society USSR completed compilation of the first gazetteer of Russian geographical names in the Antarctic.

F. Bellingshausen and M. Lazarev, Russian navigators, gave about 30 Russian names to islands, bays and capes in the Antarctic, including Annenkov Island, Leskov Island, Zavadovskiy Island, Island of Peter I, Aleksandra I Land, and others.

The gazetteer contains geographical place names, their coordinates, dates of discovery, and their primary geographical characteristics.

ADMIRALS PANTELEYEV AND SEVEDE SPEAK -- Leningradskaya Pravda, No 3, 5 Jan 49

The Geographical Society USSR plans to commemorate the 100th birthday anniversary of the outstanding Russian Admiral, S. O. Makarov, on 8 January. Vice Admiral Yu. S. Panteleyev will speak on Makarov's life and Rear Admiral E. E. Shvede on Makarov as a geographer and oceanographer.

DANILOV CELEBRATES ANNIVERSARY -- Leningradskaya Pravda, No 5, 7 Jan 49

Leningrad is celebrating the 60th birthday and 35th anniversary of scientific and pedagogical activity of Professor S. N. Danilov, associate member of the Academy of Sciences USSR, Lecturer at Leningrad Technological Institute imeni Lensovet and University, Doctor of Chemical Sciences. Danilov is a student and successor of A. E. Favorskiy, one of the greatest Russian organic chemists. Danilov is well known for his research on the transformation of carbon compounds, especially carbohydrates. He has developed successfully the theory originated by A. M. Butlerov on the composition of chemical compounds.

- 3 -

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The greater part of Professor Danilov's scientific work is in the field of chemistry and technology of high-polymer compounds. This includes the synthesis and study of cellulose derivatives. Production processes were improved as a result of his research.

S. N. Danilov has published over 100 articles on various theoretical and practical problems of organic chemistry. His pedagogical activity has also been fruitful. He established the first chair for synthetic fibers in the USSR and a chair of wood pulp-chemistry at the Technological Institute imeni Lensevet. Danilov also lectures on high molecular compounds at Leningrad University imeni A. A. Zhdanov. Over 1,000 specialists now working in various branches of chemical industry and science were trained under Danilov.

PROFESSOR TANANAYEV CELEBRATES -- Sovetskaya Litva, No 30, 6 Feb 49

The city of Sverdlovsk recently celebrated the 70th birthday and the 40th anniversary of scientific, pedagogic, and public activity, of N. A. Tananayev, Doctor of Chemical Sciences, who holds the chair of analytical chemistry at Ural Polytechnical Institute. Professor Tananayev has written over 200 works in scientific research.

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